1:Franken et al M, G-5 (ca. 1913-1958) 1960
OF7 Balinese OF7

TABLE 7: CROP YIELDS ON BALI, 1953

Crop	Yield (in Imperial cwt)
Husked rice	
from wet fields	3,907,964
from dry fields	227,806
Maize	1,159,921
Tubers	2,059,201

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that concept, *subak*. Another edict, dating from 896, mentions, alongside of other *undagis*, or craftsmen, the *undagi pĕngarung*.[15] *Pĕngarung* comes from an Old Balinese root *arung*, which in Modern Balinese has become *aung*, whence are derived *aungan* (tunnel for irrigation water)[16] and *ngaung* (to make an *aungan*). Hence *undagi pĕngarung* means 'tunnel-builder'. If there were already tunnel-builders in 896 it may be assumed that wet-rice farming on Bali is significantly older than that. The modern phase of wet-rice farming is considered in this volume in a study by Grader of the irrigation associations in Jĕmbrana.[17]

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The Balinese Desa

The people who carry on agriculture live in village communities called *desas*, and the *desa* is the chief social unit on Bali. In central Bali one can see *desa* after *desa* lying in a grove amidst its shelving *sawahs:* a cluster of compounds surrounded by clay walls and planted with clumps of bamboo and with banana, coconut, and other useful trees.

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From the inscriptions it is known with certainty of various *desas* that they were already in existence a good nine or ten hundred years ago. For the ordinary Balinese the *desa* must in earlier times have figured as the focal point of the universe, considering the frequent recurrence of the name 'navel temple' for one of the three village sanctuaries. (In Balinese as in other Indonesian languages 'navel' has the connotation of 'centre'.)

The *desa* is often defined as a community of worship. An important part of its function does, indeed, lie in the religious

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